

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A method of forming a polygon image, comprising the steps of:

obtaining a plurality of polygons having normal line data as apex data and constituting a model;

sorting the plurality of polygons into polygons of a first color part and polygons of a second color part along a boundary line between said first and second color parts, according to the direction of a light source and normal lines of the plurality of polygons;

dividing polygons intersecting the boundary line along the boundary line;

sorting the divided polygons into polygons of the first color part and polygons of the second color part along the boundary line according to the direction of a light source and normal lines of the divided polygons; and

pasting up the first mono-color texture on the polygons belonging to the first color part, and the second mono-color texture on the polygons belonging to the second color part.

Claim 2 (canceled)

Claim 3 (currently amended): A The method of forming a polygon image according to claim 10, comprising the steps of:

obtaining a plurality of polygons having normal line data as apex data and constituting a model;

sorting the plurality of polygons into polygons of a first color part and polygons of a second color part along a boundary line according to the direction of a light source and normal lines of the plurality of polygons;

dividing polygons intersecting the boundary line along the boundary line;